



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
Post Office Box 2063
Harrisburg, Pennsylvania 17120

ORIGINAL
(Red)

Bureau of Waste Management

Preliminary Assessment

FOR

TEXAS EASTERN GAS PIPELINE
ROCKWOOD STATION 22
PA #2165

Black Township
Somerset County
Pennsylvania



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

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(Red)

Bureau of Solid Waste Management
R. D. #3, Wilmore Road
P. O. Box 625
Ebensburg, PA 15931-0625
June 16, 1987

814-472-6330

NARRATIVE SUMMARY - William Shawley

Texas Eastern Gas Pipeline Company
Rockwood Compressor Station
Somerset Co., Black Twp.

This site is an inactive compressor station which is now used only as a headquarters for a Texas Eastern gauging crew. The site was formerly used as a pump station for crude oil and other petroleum products and had a 65,000 barrel storage tank which has been dismantled and removed. About 20 years ago, Texas Eastern bought the pipeline and the pump station and has been using it solely for natural gas. There are no compressors at the site at present. Two pipe lines cross the site; (1 20" and 24").

Site maps included with the Weston Reports indicate a disposal pit, dismantled storage tank, dismantled slop tank, a crushed PCB drum area, and underground concrete sump tanks.

A more extensive site history is located in the Weston Report and in the PA DER Bureau of Waste Management files in Pittsburgh. These files and maps indicate that at some time waste was disposed of in pits located at this site and that a potential exists for surface water, ground water and soils contamination from PCB's and possibly volatile organic and semivolatile organic compounds. Several water samples taken by myself and Eric Manges, Hydrogeologist, Pittsburgh Regional Office of Bureau of Waste Management did not indicate any contamination.

Texas Eastern has been ordered by PA DER to supply information and records if available and to do further sampling at this site. Due to the fact that this site is not an active compressor station, the contamination potential is probably lower than at other Texas Eastern sites but there is still a need for additional testing information.

I recommend that a more complete site history should be obtained from Texas Eastern concerning the disposal practices at this site and that additional sampling and investigation should be done at the locations of the PCB drum area, disposal pit, sumps, and dismantled tank.

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<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT </div>		I. IDENTIFICATION	
		01 STATE PA	02 SITE NUMBER
II. SITE NAME AND LOCATION			
01 SITE NAME (Legal, common, or descriptive name of site) Rockwood Compressor Station		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER T-512 1 mile South of Bando	
03 CITY Black Twp - Rockwood R.D. 1	04 STATE PA	05 ZIP CODE 15557	06 COUNTY Somerset
09 COORDINATES LATITUDE 39°56'18.0"		LONGITUDE 079°06'12.0"	
10 DIRECTIONS TO SITE (Starting from nearest public road): From intersection of LR 55043 (water level road) and LR 55044 (Mud Pike) proceed east 1/2 mile on LR 55044. Turn right and proceed south on T-512 about 1/2 mile to the site.			
III. RESPONSIBLE PARTIES			
01 OWNER (If known) Texas Eastern Gas Pipeline Co.		02 STREET (Business, mailing, residential) P.O. Box 2521	
03 CITY Houston	04 STATE TX	05 ZIP CODE 77252	06 TELEPHONE NUMBER (713) 754-3580
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
13 TYPE OF OWNERSHIP (Check one): <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ Agency name: _____ <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) _____ <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply): <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103(c)) DATE RECEIVED: ____/____/____ MONTH DAY YEAR <input type="checkbox"/> C. NONE			
IV. CHARACTERIZATION OF POTENTIAL HAZARD			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 3, 2, 87 MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply): <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) _____	
02 SITE STATUS (Check one): <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR _____ ENDING YEAR _____ <input checked="" type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Pipeline condensate, interface materials, degreasing solvents, PCBs.			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Possible soils and/or groundwater contamination.			
V. PRIORITY ASSESSMENT			
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste information and Part 3 - Description of Hazardous Conditions and Incidents): <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input checked="" type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed. Complete current disposition form)			
VI. INFORMATION AVAILABLE FROM			
01 CONTACT Art Dalla Piazza		02 OF (Agency Organization) PA Dept. of Env. Res., Bur. of Waste Mgmt	
04 PERSON RESPONSIBLE FOR ASSESSMENT William Shawley		05 AGENCY PA DER	06 ORGANIZATION BWM
		07 TELEPHONE NUMBER (814) 472-6330	08 DATE 4, 17, 87 MONTH DAY YEAR



I. IDENTIFICATION

01 STATE	02 SITE NUMBER
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PA

01 PHYSICAL STATES (Check all that apply)

- 02 WASTE QUANTITY AT SITE

(Measures of waste quantities must be independent)

TONS

CUBIC YARDS

NO OF DRUMS

Unknown

03 WASTE CHARACTERISTICS (Check all that apply)

- | | | |
|--|---------------------------------------|--|
| <input checked="" type="checkbox"/> A TOXIC | <input type="checkbox"/> E SOLUBLE | <input type="checkbox"/> I HIGHLY VOLATILE |
| <input type="checkbox"/> B CORROSIVE | <input type="checkbox"/> F INFECTIOUS | <input type="checkbox"/> J EXPLOSIVE |
| <input type="checkbox"/> C RADIOACTIVE | <input type="checkbox"/> G FLAMMABLE | <input type="checkbox"/> K REACTIVE |
| <input checked="" type="checkbox"/> D PERSISTENT | <input type="checkbox"/> H IGNITABLE | <input type="checkbox"/> L INCOMPATIBLE |
| | | <input type="checkbox"/> M NOT APPLICABLE |

CATEGORY	SUBSTANCE NAME	Q1 GROSS AMOUNT	Q2 UNIT OF MEASURE	Q3 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	Unknown		- Possible Crude & Petroleum Products
SOL	SOLVENTS	Unknown		- Possible degreasing solvents
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references e.g. state files, sample analysis, reports)

Weston Report (Consultant for Texas Eastern) submitted to EPA and PA DER, state files and sampling information.

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE PA 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____)
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION



**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT**
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (include names of species)

01 ☐ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
(Soils/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: less than 100

IV. COMMENTS

Some additional soils and groundwater sampling needs to be done to determine if past practices and operations at this site have caused a problem.

V. SOURCES OF INFORMATION (Cite specific references e.g. State files, sample analyses, reports)

State files, State sample analyses,
Weston report

FIELD TRIP SUMMARY REPORT

This summary should be prepared in conjunction with the Preliminary Assessment, EPA Form 2070-12.

EPA Case Number _____ Site Name Rockwood Compressor Station

Site Description This site was formerly used as a pump station for crude oil and petroleum products. The pipeline was bought by Texas Eastern at least 20 years ago and now is used only as a headquarters for a Texas Eastern metering crew. Buildings on site are circa 1940's. The site lies on a gentle slope and is surrounded by a 6' cyclone fence. The site is surrounded by farm fields. There is a level area outside the fence and upslope where a 65,000 Barrel storage tank was located. This tank has been dismantled.

Area of site (acres) <div style="text-align: center;">~ 8 acres</div>	Hazardous portion, if not entire site 30' diameter disposal pit - Possibly other areas.
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Description of processes/operations which took place at the site
The site has a 24" line and a 20" line passing through it which were used for pumping crude and petroleum products. The lines are now used only for natural gas and no pumping or compression operations now exist on site. The Weston site maps indicate a disposal pit, a dismantled storage tank, a dismantled slop tank a crushed PCB drum area and storage buildings. Some buildings also have been dismantled.

Waste handling/disposal practices
A 30' diameter disposal pit located in the extreme southeastern corner of the site has been filled in and is now grown over with vegetation. PCB drums were apparently crushed on site. Without talking to employees who worked at this site in the past it is difficult to determine past practices.

Site topography and runoff drainage pathways The surface of the site slopes from west to East. A spring seep is located just above the fenced area and below the former location of the large storage tank. This drainage crosses the site from NW to SE and enters a roadside ditch at the SE corner of the site.

Surface or subsurface drainage areas (leachate) noted? The eastern end of the site is fairly swampy and water seeps into the drainage ditch and into the field on the southeastern corner of the site.	Odors/stains noted? No
	Stressed vegetation noted? No

Location and description of streams or receiving waters adjacent to site. Include flow direction and observations. Note location on attached map.
All surface water from the site enters a road ditch/stream which flows southeast along Township road T-510 about 1/2 mile. This stream enters an unnamed tributary which flows southwest about 1 mile and then enters Wilson Creek which flows West about 2 miles and enters Coxes Creek.

Monitoring wells on site or in vicinity. Note location on attached map.
1 on site well is now on site which was formerly used for drinking water. Other monitoring wells are planned for Phase II monitoring in the April 1, 87 Consent Order and Agreement.

Additional comments--Further description of site

SITE CONTACTS

Name and Title	Affiliation	Phone
Harold Grimes - Station Supervisor	- Texas Eastern	(814) 886-2391

INSPECTION INFORMATION

Name and title of inspector(s) Eric Manges - Hydrogeologist
Bill Shawley - Solid Waste Specialist
 Agency PA DER, Bur. of Waste Mgmt Phone number Bill - 814-472-6330
Eric 412-645-7100
 Date Mar 2, 1987 Time on site 4.0 ~~7.5~~ hours
 Weather conditions: 30° Windy - 3 inches of new snow

ATTACHMENTS

- o Topographic map identifying site location. Include name of quadrangle map.
- o Site sketch map showing location of monitoring wells, domestic wells, municipal water supplies, and areas of concern (lagoons, leachate seeps, drums, etc.)
- o Any available sampling results or state monitoring data with map showing sample locations.

March 6, 1987

SUBJECT: Texas Eastern Gas Pipeline Company
Rockwood Compressor Station
PCB and VOC Contamination/Preliminary Investigation
Black Township, Somerset County

TO: Terry R. Fabian
Regional Environmental Protection
Director
Southwestern Regional Office

FROM: Eric T. Manges *ETM*
Hydrogeologist
Bureau of Waste Management
Southwestern Regional Office

Introduction

The initial hydrogeologic investigation has been conducted as a result of information received by this Department which indicates that the Texas Eastern Gas Pipeline Company disposed of PCB contaminated oils and condensate at their compressor stations. The PCB contaminated oils were apparently disposed in unlined pits on the compressor station properties.

There are two Texas Eastern pumping facilities within 1.7 miles of each other on the same pipeline in the Rockwood area.

The first station to be investigated was not the main Rockwood Compressor Station which is intended to be the focus of this preliminary investigation. This first station, which is located in Milford Township, 1.7 miles east of the main compressor station, shall be referred to in this report as the Rockwood Gauging Station. The initial samples taken at this site shall be described in the sampling section of this report, but detailed information on this site shall not be presented at this time. If the sampling indicates a contamination problem at the site, further investigation shall be initiated.

Upon receipt of additional, more precise information from Texas Eastern, the main compressor station was located and a preliminary sampling investigation was initiated. To avoid confusion, the main compressor station shall be referred to in this report and on laboratory analysis forms as the Rockwood/Murdock Compressor Station. This is the station at which Texas Eastern has admitted to disposing of PCB contaminated fluids.

The Rockwood/Murdock Compressor Station is located in southern Somerset County, 1.5 miles south of the village of Murdock. This site is situated at latitude 39°56'18" North and longitude 79°06'12" West on the Murdock, Pa. 7.5' U.S.G.S. Quadrangle Map.

Site Description

The Rockwood/Murdock Compressor Station is located on the northwestern flank of the Negro Mountain in the Allegheny Mountain section of the Appalachian plateau province. This station is located on the top of a small ridge at an elevation of 2,000 feet. The groundwater discharges and surface waters from the site drain to the southeast into a small tributary of Wilson Creek. Wilson Creek enters into Coxes Creek approximately two miles west of the tributary (see attached topographic map).

The site is surrounded by a 6-foot high cyclone fence which has deteriorated in several places and allows for easy access to the site.

Texas Eastern employees at the site have indicated that the facility has not been used as a compressor station for many years and that the lines currently only pass through the property. The buildings on the site appear to be circa 1940's and the site in general appeared to be defunct.

Disposal Pit

The station layout map (attached), supplied by Weston, indicated that the disposal pit is located in the extreme eastern corner of the facility property. A Texas Eastern employee helped to verify the location of the pit. A small stream channel conveying upslope spring water passes within 25 feet of the disposal pit. The pit has been backfilled and regraded, but no vegetation has been established on the overlying soil.

Potentially Affected Water Supplies

A spring, which originates topographically upslope and just above the fenced area, flows through the western portion of the fenced property and within 25 feet of the disposal site. This water flows into a roadside drainageway which runs along the public road in front of the facility. As the drainage ditch advances away from the site, it develops into a small stream. This drainageway/stream also collects all other drainage from the site and conveys it to the tributary of Wilson Creek. The eastern portion of the site is fairly swampy and also seeps into the drainageway.

An off-site spring enters the drainageway approximately 100 feet downstream from the on-site spring. This spring is topographically downslope from the disposal pit and is located on the property of Paul Boden.

An on-site drilled well exists next to the office and maintenance building, approximately 100 feet west and upgradient of the disposal pit.

An off-site drilled well exists just off of the northwest corner of the fenced area on the Leroy Roberts property. This well is approximately 280 feet northwest and upgradient from the disposal pit.

Hydrogeology

away from

axis

The general dip of the regional rock strata in the area is ~~towards~~ the ~~access~~ of the Negro Mountain Anticline which lies approximately 2.5 miles southeast of the site. The strata beneath the site is composed of inter-bedded layers of sandstone, shale and limestone in the Glenshaw Formation of the Conemaugh Rock Group. The characteristic jointing and fracturing in this formation will allow for good water conveyance, especially in the sandstone layers.

northwest

It would be expected that the regional groundwater flow direction will follow the general slope of the underlying rock strata which is to the ~~southeast~~. In many cases, a shallow topographically-controlled water-bearing zone may exist, depending upon the depth of soil, the topographic slope, and the degree to which the uppermost rock layers have been weathered. As a result, groundwater flow directions may vary between shallow and deep water zones.

Sampling

The sampling of the Rockwood Guaging Station occurred on February 28, 1987. No disposal pit was observed at this site. The following is a list of the samples and their description (see attached station layout map for locations):

<u>I.D. Number</u>	<u>Description</u>
2518308	_____
2518309	_____
2518310	_____
2518311	Tributary to Coxes Creek (adjacent to north edge of site)

The sampling at the Rockwood/Murdock Compressor Station occurred on March 2, 1987. The following is a list of the samples and their descriptions:

<u>I.D. Number</u>	<u>Description</u>
2518312	On-site well
2518313	On-site spring channel
2518314	Roberts Well
2518315	Boden Spring
2518316	Off-site ditch/stream
2518317	On-site spring channel sediment
2518318	Off-site ditch/stream sediment

All water sample points were analyzed for PCB's, VOC's and metals.

Soil samples from the pits were not obtained. The disposal pits have been backfilled and regraded since the cessation of disposal activities. It was not possible to obtain a sample at depth due to lack of equipment and time constraints.

Comments & Recommendations:

1. The disposal pit is located next to the fence at the eastern corner of the property. The fence has numerous breaks that allow for easy access to the site and the disposal pit. The entire fence should be completely secured.
2. If contamination is observed in any of the sample analysis results, the sampling point in question should be immediately resampled for further verification.
3. If contamination is confirmed at any of the sampling locations, a thorough assessment of the type, location and extent of the contamination should be carried out according to the requirements set forth in 25 Pa. Code §75.264(n). A abatement/clean-up plan should also be prepared and initiated.
4. Soil sampling of the disposal pits should be conducted through drilling with split spoon samplers. Samples should be obtained at one foot intervals.
5. If contaminants are detected in the on-site spring channel next to the disposal pit, (No. 2518313, No. 2518317), then the spring origin, just upslope (south edge) from the fenced property, should be sampled.
6. The on-site and off-site wells are both geologically and topographically upgradient from the disposal pit. There does not appear to be an immediate contamination threat to any public or private water supplies.

It does appear that there is a possibility of degradation of the local environment around the eastern corner of the site. The results of sediment samples taken in this area should help to ascertain whether hazardous pollutants have migrated off site.

ETM/ksw

cc:

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Central
Chron
(4)